# Contents


**Alvarado, F., Brot-Laroche, E., L'Herminier, M., Murer, H., Stange, G.**
The Effect of Harmaline on Intestinal Sodium Transport and on Sodium-Dependent D-Glucose Transport in Brush-Border Membrane Vesicles from Rabbit Jejunum 35

**Anderson, J. H.**, s. Precht, W. 51

**Arnaud, M. J.**, s. Ravussin, E., et al. 197

**Bade, H., Braun, H. A., Hensel, H.**
Parameters of the Static Burst Discharge of Lingual Cold Receptors in the Cat - 1

**Barendsen, G. J.**, s. Lubbers, J., et al. 241

**Baumgarten, C. M.**, s. Macchia, D. D. 193

**Benedek, G.**, s. Obál, F., Jr., et al. 249

**Berg, J. W. van den**, s. Lubbers, J., et al. 241

**Bernink, P. J. L. M.**, s. Lubbers, J., et al. 241

**Bittel, J.**, s. Roussel, B. 225

**Bollinger, A., Jäger, K., Roten, A., Timeus, Ch., Mahler, F.**
Diffusion, Pericapillary Distribution and Clearance of Na-Fluorescein in the Human Nailfold 137

**Braun, H. A.**, s. Bade, H., et al. 1

**Brot-Laroche, E.**, s. Alvarado, F., et al. 35

**Budohoski, L.**, s. Kozłowski, S., et al. 105

**Bühler, R.**, s. Ruhland, M. 279

**Burlini, N.**, s. Esposito, G., et al. 67

**Capraro, V.**, s. Esposito, G., et al. 67

**Carmeliet, E. E.**, s. Pappano, A. J. 17

**Casellas, D.**, s. Mimran, A. 233

**Chen, F. F.**, s. Lin, M. T., et al. 87

**Chern, Y. F.**, s. Lin, M. T., et al. 87

**Deetjen, P.**, s. Günther, R., et al. 109

**Deetjen, P.**, s. Völkl, H., et al. 115

**Dörner, A.**, s. Ravussin, E., et al. 197

**Durasin, I.**, s. Frick, A. 123

**Duruble, M.**, s. Martin, J. L., et al. 57

**Duvelleroy, M.**, s. Martin, J. L., et al. 57

**Eggert, P., Thiemann, V., Weiss, Ch.**
Periodic Changes of Blood Flow in the in vivo Rat Kidney 63

**Esposito, G., Faelli, A., Tosco, M., Burlini, N., Capraro, V.**
Extracellular Space Determination in Rat Small Intestine by Using Markers of Different Molecular Weights 67

**Faelli, A.**, s. Esposito, G., et al. 67

**Favre, H., Louis, F., Gourjon, M.**
Role of the Basal Sodium Intake in the Rats on Their Response to a Natriuretic Factor 73

**Frick, A., Durasin, I.**
Acute Effects of Hydrocortisone on the Reabsorption of Inorganic Phosphate in Normal, Adrenalectomized and Parathyroidectomized Rats 123

**Gourjon, M.**, s. Favre, H., et al. 73

**Griffiths, P. J., Kuhn, H. J., Güth, K., Rüegg, J. C.**
Rate of Isometric Tension Development in Relation to Calcium Binding of Skinned Muscle Fibres 165

**Griffiths, P. J., Kuhn, H. J., Rüegg, J. C.**
Activation of the Contractile System of Insect Fibrillar Muscle at Very Low Concentrations of $Mg^{2+}$ and $Ca^{2+}$ 155

**Günther, R., Silbernagel, S., Deetjen, P.**
Maleic Acid Induced Aminoaciduria, Studied by Free Flow Micropuncture and Continuous Microperfusion 109

**Güth, K.**, s. Griffiths, P. J., et al. 165

**Hara, Y., Ito, Y.**
The Electrical Activity Recorded From Smooth Muscle of the Circular Layer of the Human Stomach 145

**Heller, J., Horácek, V.**
Autoregulation of Superficial Nephron Function in the Alloperfused Dog Kidney 99

**Heller, J., Horácek, V., Kasalický, J.**
Renal Blood Flow Distribution at Varying Perfusion Pressure in the Alloperfused Dog Kidney 91

**Hensel, H.**, s. Bade, H., et al. 1

**Horácek, V.**, s. Heller, J. 99

**Horácek, V.**, s. Heller, J., et al. 91

**Horster, M.**
Primary Culture of Mammalian Nephron Epithelia. Requirements for Cell Outgrowth and Proliferation from Defined Explanted Nephron Segments 209

**Ito, Y.**, s. Hara, Y. 145

**Jäger, K.**, s. Bollinger, A., et al. 137

**Jancsó-Gábor, A.**, s. Obál, F., Jr., et al. 249

**Jensen, P. K., Steven, K.**
Influence of Intratubular Pressure on Proximal Tubular Compliance and Capillary Diameter in the Rat Kidney 179

**Jéquier, E.**, s. Ravussin, E., et al. 197

**Kasalický, J.**, s. Heller, J., et al. 91

**Keller, O.**, s. Ujec, E., et al. 189

**Kozłowski, S., Budohoski, L., Pohoska, E., Nazar, K.**
Lipoprotein Lipase Activity in the Skeletal Muscle During Physical Exercise in Dogs 105

**Kühn, P.**, s. Pleschka, K., et al. 255

**Kuhn, H. J.**, s. Griffiths, P. J., et al. 155

**Kuhn, H. J.**, s. Griffiths, P. J., et al. 165

**Kuschinsky, W., Wahl, M.**
Perivascular pH and Pial Arterial Diameter During Bicuculline Induced Seizures in Cats 81

**Kuschinsky, W.**, s. Wahl, M. 203

**Kuzminykh, L. P.**, s. Mazhbich, B. I., et al. 171

**Lehmann, N., Schmidt, H.**
Contractile Responses to Direct Stimulation of Frog Slow Muscle Fibres Before and After Denervation 43

**L'Herminier, M.**, s. Alvarado, F., et al. 35

**Lin, M. T., Chern, Y. F., Chen, F. F., Su, C. Y.**
Serotoninergic Mechanisms of Beta-Endorphin-Induced Hypothermia in Rats 87

**Louis, F.**, s. Favre, H., et al. 73

**Lubbers, J., Bernink, P. J. L. M., Barendsen, G. J., van den Berg, J. W.**
A Continuous Wave Doppler Velocimeter for Monitoring Blood Flow in the Popliteal Artery, Compared with Venous Occlusion Plethysmography of the Calf 241

**Macchia, D. D., Baumgarten, C. M.**
Is Chloride Passively Distributed in Skeletal Muscle in vivo? 193

**Machek, J.**, s. Ujec, E., et al. 189

**Mahler, F.**, s. Bollinger, A., et al. 137

**Martin, J. L., Duvelleroy, M., Teisseire, B., Duruble, M.**
Effects of an Increase in $HbO_2$ Affinity on the Calculated Capillary Recruitment of an Isolated Rat Heart 57

**Mazhbich, B. I., Kuzminykh, L. P., Pogodin, A. S.**
Regional Blood Volume Changes of the Lungs in Response to the Vegetative Nerves Stimulation 171

**Mimran, A., Casellas, D.**
Microsphere Size and Determination of Intrarenal Blood Flow Distribution in the Rat 233

**Munday, K. A.**, s. Rowe, B. P., et al. 269

**Murer, H.**, s. Alvarado, F., et al. 35

**Nagai, M.**, s. Pleschka, K., et al. 255

**Nakahata, N.**
Magnesium Dependent Contraction of Glycerinated Smooth Muscle 133

**Nazar, K.**, s. Kozłowski, S., et al. 105

**Nizet, A.**
Influence of Replacement of Chloride by Sulphate upon Urine Excretion and Glomerular Filtration Rate in Blood Perfused Isolated Dog Kidneys 217

**Noble, A. R.**, s. Rowe, B. P., et al. 269

**Obál, F.**, s. Obál, F., Jr., et al. 249

**Obál, F., Jr., Benedek, G., Jancsó-Gábor, A., Obál, F.**
Salivary Cooling, Escape Reaction and Heat Pain in Capsaicin-Desensitized Rats 249

**Pahud, P.**, s. Ravussin, E., et al. 197

**Pappano, A. J., Carmeliet, E. E.**
Epinephrine and the Pacemaking Mechanism at Plateau Potentials in Sheep Cardiac Purkinje Fibers 17

**Pavlik, V.**, s. Ujec, E., et al. 189

**Petersen, O. H.**, s. Philpott, H. G. 263

**Philpott, H. G., Petersen, O. H.**
Separate Activation Sites for Cholecystokinin and Bombesin on Pancreatic Acini. An Electrophysiological Study Employing a Competitive Antagonist for the Action of CCK 263

**Pholpramool, C.**, s. Tangkrisanavinont, V. 275

**Pleschka, K., Kühn, P., Nagai, M.**
Differential Vasomotor Adjustments in the Evaporative Tissues of the Tongue and Nose in the Dog Heat Load 255

**Pogodin, A. S.**, s. Mazhbich, B. I., et al. 171

**Pohoska, E.**, s. Kozłowski, S., et al. 105

**Precht, W., Anderson, J. H.**
Effects of Cerebellectomy on the Cat's Vertical Vestibuloocular Reflex 51

**Ravussin, E., Pahud, P., Dörner, A., Arnaud, M. J., Jéquier, E.**
Substrate Utilization During Prolonged Exercise Preceded by Ingestion of $^{13}C$-Glucose in Glycogen Depleted and Control Subjects 197

**Roch-Ramel, F.**, s. Stoner, L. C. 7

**Roten, A.**, s. Bollinger, A., et al. 137

**Roussel, B., Bittel, J.**
Thermogenesis and Thermolysis During Sleeping and Waking in the Rat 225

**Rowe, B. P., Noble, A. R., Munday, K. A.**
Blockade of Pressor Responses to Angiotensins I and II and Noradrenaline Using Phentolamine, Propranolol and Hexamethonium in Conscious Rabbits 269

**Rüegg, J. C.**, s. Griffiths, P. J., et al. 155

**Rüegg, J. C.**, s. Griffiths, P. J., et al. 165

**Ruhland, M., Bühler, R.**
A New and Simple Technique for the Generation of Visual Evoked Potentials in Freely Moving Animals 279

**Ruzzier, F., Scuka, M.**
Effect of Repetitive Stimulation on the Frog Neuromuscular Transmission 127

**Schwarz, W.**
Temperature Experiments on Nerve and Muscle Membranes of Frogs. Indications for a Phase Transition 27

**Schmidt, H.**, s. Lehmann, N. 43

**Scuka, M.**, s. Ruzzier, F. 127

**Silbernagel, S.**, s. Günther, R., et al. 109

**Silbernagel, S.**, s. Völkl, H., et al. 115

**Spitzer, K. W., Walker, J. L.**
Changes in Liquid-Junction Potential Following Chloride Replacement in Cat Papillary Muscle 281

**Stange, G.**, s. Alvarado, F., et al. 35

**Steven, K.**, s. Jensen, P. K. 179

**Stoner, L. C., Roch-Ramel, F.**
The Effects of Pressure on the Water Permeability of the Descending Limb of Henle's Loops of Rabbits 7

**Su, C. Y.**, s. Lin, M. T., et al. 87

**Tangkrisanavinont, V., Pholpramool, C.**
Extracellular free Calcium and Fluid Secretion by the Rabbit Lacrimal Gland in vivo 275

**Teisseire, B.**, s. Martin, J. L., et al. 57

**Thiemann, V.**, s. Eggert, P., et al. 63

**Timeus, Ch.**, s. Bollinger, A., et al. 137

**Tosco, M.**, s. Esposito, G., et al. 67

**Ujec, E., Keller, O., Machek, J., Pavlik, V.**
Low Impedance Coaxial $K^+$ Selective Microelectrodes 189

**Völkl, H., Silbernagel, S., Deetjen, P.**
Kinetics of L-Proline Reabsorption in Rat Kidney Studied by Continuous Microperfusion 115

**Wahl, M., Kuschinsky, W.**
Unimportance of Perivascular $H^+$ and $K^+$ Activities for the Adjustment of Pial Arterial Diameter During Changes of Arterial Blood Pressure in Cats 203

**Wahl, M.**, s. Kuschinsky, W. 81

**Walker, J. L.**, s. Spitzer, K. W. 281

**Weiss, Ch.**, s. Eggert, P., et al. 63

**Indexed in Current Contents**